Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1	1.	(Currently amended) A method of providing a checkpoint/restart facility
2		in conjunction with reading and writing data files across a plurality of
3		computer systems, wherein:
4		the plurality of computer systems comprises:
5		a first computer system executing a first program, and
6		a second computer system containing a disk system and executing a
7		second program;
8		the first computer system and the second computer system are heterogeneous
9		computer systems;
10		said method comprising:
11		A) checkpointing a current status of the first program resulting in a first set of
12		checkpoint status information;
13		B) transmitting a first checkpoint request that includes the first set of checkpoint
14		status information from the first program over a first session to the second
15		program;
16		C) checkpointing the second program resulting in a second set of checkpoint
17		status information in response to receiving the first checkpoint request;
18		D) writing the first set of checkpoint status information and the second set of
19		checkpoint status information to a first checkpoint file on the disk system;
20		E) transmitting a first checkpoint response from the second program over the first
21		session to the first program after the writing in step (D) is complete;
22		F) checkpointing the first program resulting in a third set of checkpoint status
23		information;
24		G) transmitting a second checkpoint request that includes the third set of
25		checkpoint status information from the first program over the first session
26		to the second program;
27		H) checkpointing the second program resulting in a fourth set of checkpoint
28		status information in response to receiving the first checkpoint request
29		transmitted in step (G);
30		I) writing the third set of checkpoint status information and the fourth set of
31		checkpoint status information to a second checkpoint file on the disk
32		system;
33		J) transmitting a second checkpoint response from the second program over the
34		first session to the first program after the writing in step (I) is complete;
35		K) transmitting a first rollback request from the first program over the first
36		session to the second program;

	L) reading the third set of checkpoint status information and the	fourth set of
38	checkpoint status information from the second checkpoint	file in response
39	to receiving the first rollback request transmitted in step (l	K);
40	M) rolling back the second program utilizing the fourth set of che	eckpoint status
41	information read in step (L);	
42	N) transmitting a first rollback response from the second program	n over the first
43	session to the first program that includes the third set of cl	heckpoint status
44	information read in step (L); and	
45	O) rolling back the first program utilizing the third set of checkpo	oint status
46	information in response to receiving the first rollback resp	onse in step
47	(N)	
	Claim 2 (Canceled)	
	Claim 3 (Canceled)	
1	4. (Previously amended) The method in claim 1 wherein:	
2	the first checkpoint file and the second checkpoint file are a same	file.
3		
3	Claim 5 (Cancelled)	
		er comprises:
1	6. (Previously amended) The method in claim 1 which further	
1 2	6. (Previously amended) The method in claim 1 which furtherP) transmitting a third checkpoint request that includes the first state.	set of checkpoint
1 2 3	6. (Previously amended) The method in claim 1 which further P) transmitting a third checkpoint request that includes the first status information from the first program over a second second.	set of checkpoint
1 2 3 4	6. (Previously amended) The method in claim 1 which further P) transmitting a third checkpoint request that includes the first status information from the first program over a second seprogram executing in a third computer system;	set of checkpoint ession to a third
1 2 3 4 5	 6. (Previously amended) The method in claim 1 which further P) transmitting a third checkpoint request that includes the first status information from the first program over a second seprogram executing in a third computer system; Q) checkpointing the third program resulting in a fifth set of checkpointing the second s	set of checkpoint ession to a third ckpoint status
1 2 3 4 5 6	 6. (Previously amended) The method in claim 1 which further P) transmitting a third checkpoint request that includes the first status information from the first program over a second set program executing in a third computer system; Q) checkpointing the third program resulting in a fifth set of checkpoint information in response to receiving the third checkpoint in 	set of checkpoint ession to a third ckpoint status request;
1 2 3 4 5 6 7	 6. (Previously amended) The method in claim 1 which further P) transmitting a third checkpoint request that includes the first status information from the first program over a second set program executing in a third computer system; Q) checkpointing the third program resulting in a fifth set of checkpoint information in response to receiving the third checkpoint R) writing the first set of checkpoint status information and the first set of checkpoint status information set of checkpoint status information set of checkpoint se	set of checkpoint ession to a third ckpoint status request; ifth set of
1 2 3 4 5 6	 6. (Previously amended) The method in claim 1 which further P) transmitting a third checkpoint request that includes the first status information from the first program over a second see program executing in a third computer system; Q) checkpointing the third program resulting in a fifth set of checkpoint information in response to receiving the third checkpoint R) writing the first set of checkpoint status information and the first checkpoint status information to a third checkpoint file; and 	set of checkpoint ession to a third ckpoint status request; ifth set of and
1 2 3 4 5 6 7 8	 6. (Previously amended) The method in claim 1 which further P) transmitting a third checkpoint request that includes the first status information from the first program over a second set program executing in a third computer system; Q) checkpointing the third program resulting in a fifth set of checkpoint information in response to receiving the third checkpoint R) writing the first set of checkpoint status information and the first set of checkpoint status information set of checkpoint status information set of checkpoint se	set of checkpoint ession to a third ekpoint status request; ifth set of and am over the

Claim 7 (Cancelled)

Claim 8 (Cancelled)

1	9.	(Original) The method in claim 1 wherein:
2		there are plurality of sessions open between the first program and the second
3		program for accessing a corresponding plurality of files by the second
4		program; and
5		the checkpointing in step (C) flushes all of the plurality of files and includes
6		checkpoint information for all of the plurality of files in the second set of
7		checkpoint information.

Claims 10-20 (Cancelled)